IEC-320-C14

Size: 7.05 x 2.53 x 1.57 inches

IEC-320-C8

Size: 7.05 x 2.53 x 1.57 inches

IEC-320-C6

Size: 7.05 x 2.53 x 1.57 inches

FEATURES

- Single Outputs
- Energy Star/CEC Level V Compliant
- RoHS & WEEE Compliant
- 100~240VAC Input Voltage Range
- Short Circuit and Over Voltage Protection
- IEC-320-C14, IEC-320-C8, & IEC-320-C6 AC Inlets
- UL/cUL 60601, EN 60601-1, & IEC 60601-1 Approvals
- Optional Output Connectors Available

DESCRIPTION

The DTEM1120 series of medical AC/DC desktop power supplies provides up to 130 Watts of continuous output power in a 7.05” x 2.53” x 1.57” package. All models have a single output and a wide input voltage range of 100~240VAC. This series is RoHS, WEEE, and Energy Star/CEC Level V compliant and has UL/cUL 60601-1, EN 60601-1, and IEC 60601-1 medical approvals. All models are protected against over voltage, over current, and short circuit conditions. This series also has three AC inlet connector types available: IEC-320-C14, IEC-320-C8, and IEC-320-C6. Optional output connectors are also available please call factory for ordering details.

MODEL SELECTION TABLE

Model Number (1)	Input Voltage Range	Output Voltage (2)	Output Current		Ripple & Noise (3)	Output Power	AC Inlet (1)
			Min	Max			
DTEM11201A	100 ~ 240 VAC	12 ~ 17 VDC	0A	10A	240mVp-p	120W	IEC-320-C14
DTEM11201B		18 ~ 24 VDC	0A	7A	240mVp-p	130W	
DTEM11201C		12 ~ 17 VDC	0A	9.17A	240mVp-p	110W	
DTEM11201D		18 ~ 24 VDC	0A	6.5A	240mVp-p	120W	
DTEM11201E		12 ~ 17 VDC	0A	8.34A	240mVp-p	100W	
DTEM11201F		18 ~ 24 VDC	0A	6.11A	240mVp-p	110W	
DTEM11202A	100 ~ 240 VAC	12 ~ 17 VDC	0A	10A	240mVp-p	120W	IEC-320-C8
DTEM11202B		18 ~ 24 VDC	0A	7A	240mVp-p	130W	
DTEM11202C		12 ~ 17 VDC	0A	9.17A	240mVp-p	110W	
DTEM11202D		18 ~ 24 VDC	0A	6.5A	240mVp-p	120W	
DTEM11202E		12 ~ 17 VDC	0A	8.34A	240mVp-p	100W	
DTEM11202F		18 ~ 24 VDC	0A	6.11A	240mVp-p	110W	
DTEM11203A	100 ~ 240 VAC	12 ~ 17 VDC	0A	10A	240mVp-p	120W	IEC-320-C6
DTEM11203B		18 ~ 24 VDC	0A	7A	240mVp-p	130W	
DTEM11203C		12 ~ 17 VDC	0A	9.17A	240mVp-p	110W	
DTEM11203D		18 ~ 24 VDC	0A	6.5A	240mVp-p	120W	
DTEM11203E		12 ~ 17 VDC	0A	8.34A	240mVp-p	100W	
DTEM11203F		18 ~ 24 VDC	0A	6.11A	240mVp-p	110W	

NOTES
1. The number in **red** represents the type of AC inlet connector: “**1**” is for IEC-320-C14 type, “**2**” is for IEC-320-C8 type, and “**3**” is for IEC-320-C6 type.
2. The output voltage is specified as a range (Ex: 18~24VDC); the customer must specify what they want the voltage set at.
3. Ripple and Noise is measured at nominal line and full load with 20MHz bandwidth and a 0.1µF ceramic capacitor and 47µF aluminum capacitors in parallel across the output.
4. Optional output connectors are available. Please call factory for ordering details.
5. This product is Listed to applicable standards and requirements by UL.

**Due to advances in technology, specifications subject to change without notice.*

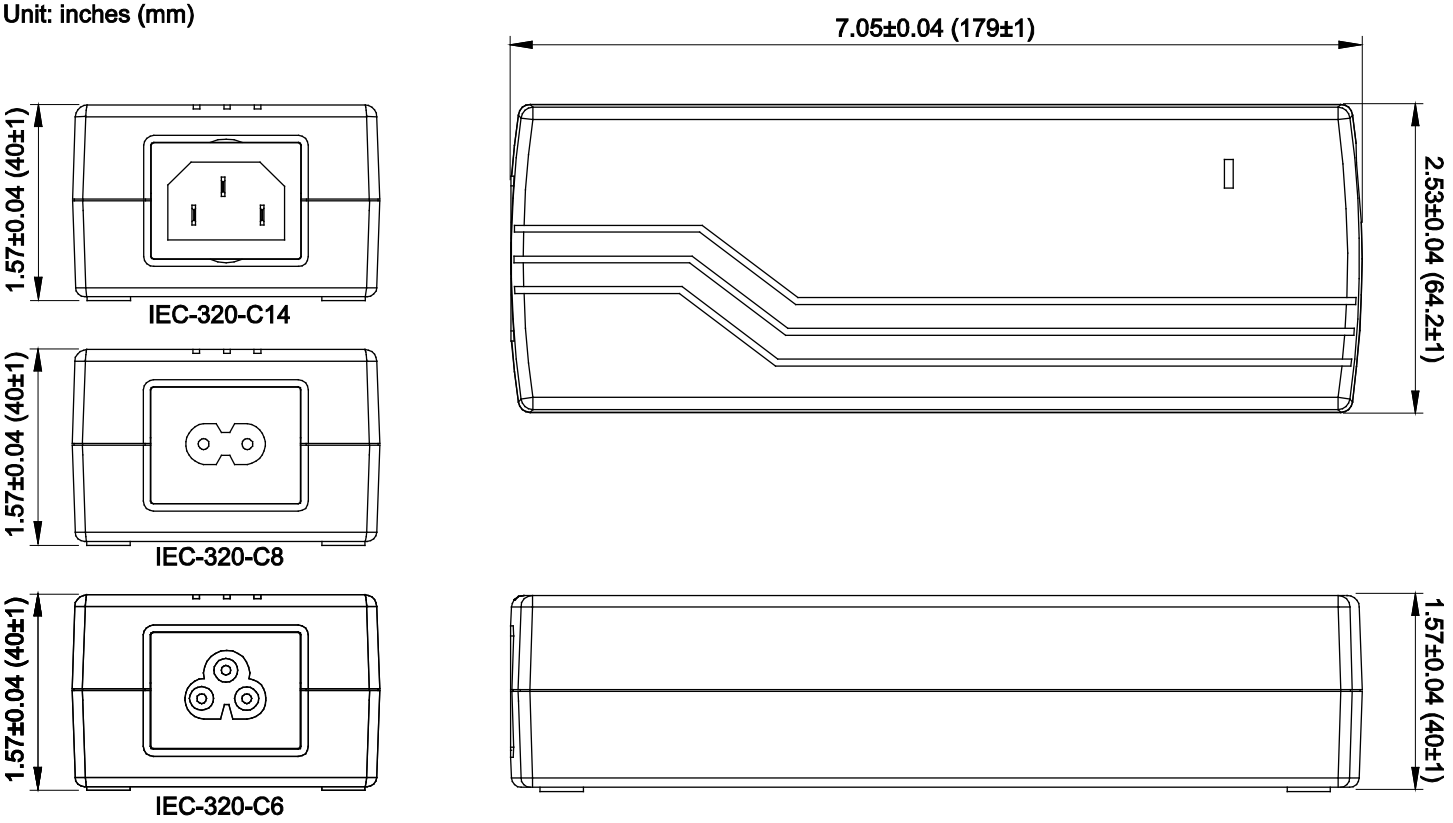
SPECIFICATIONS: DTEM1120 SERIES

All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.
We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage		100		240	VAC
Input Frequency		50		60	Hz
Input Current				2	A
Inrush Current				120	A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation	Defined by changing ±10% of input voltage from nominal line and rated load	-1		+1	%
Load Regulation		-5		+5	%
Output Power		See Table			
Output Current		See Table			
Minimum Load		0			A
Ripple & Noise	Measured at nominal line and full load with 20MHz limited bandwidth and 0.1µF ceramic and 47µF aluminum capacitors in parallel across the output		240		mVp-p
Hold-up Time		8.3			ms
Turn-on Time				3	s
PROTECTION					
Over Voltage Protection		Automatic recovery			
Short Circuit Protection		Automatic recovery			
GENERAL SPECIFICATIONS					
Efficiency			85		%
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		+40	°C
Storage Temperature		-20		+85	°C
Storage Humidity		5		95	%
Cooling		Free air convection			
MTBF		30,000			hours
PHYSICAL SPECIFICATIONS					
Weight		1.55 lbs (705g)			
Dimensions (L x W x H)	7.05 x 2.53 x 1.57 inches (179.0 x 64.2 x 40.0 mm)				
AC Inlet Connector	See Note 1	IEC-320-C14, IEC-320-C8, and IEC-320-C6			
Output Connectors		Several options available			
SAFETY & COMPLIANCE					
Safety Approvals	UL/cUL 60601-1(5), EN60601-1, IEC60601-1, CB, CE				
Compliance	RoHS, WEEE, CEC/Energy Star Level V				

MECHANICAL DRAWING

Unit: inches (mm)



COMPANY INFORMATION

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001: 2015 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

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